MI 1 2 May C

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

APPARATUS FOR PROVIDING CORONARY RETROPERFUSION AND METHODS OF USE

the specification of which

(check one)	[] is attached hereto	
	[X] was filed on <u>May 26, 1999</u>	a
	Application Serial No. 09/320,172	
	and was amended on	•
-	(if applicable)	 -

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or provisional applications filed under 35 U.S.C. § 111(b) listed below and have also identified below any foreign application for patent, inventor's certificate or provisional application having a filing date before that of the application on which priority is claimed:

Prior Foreign or Provisional Application(s)

			Prio <u>Clai</u>	rity med
(Number)	(Country)	(Day/Month/Year Filed)	l J Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	[] Yes	[] No

I hereby claim the benefit under Title 35, United States Code, \$ 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$ 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, \$ 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/084,513	<u>May 26, 1998</u>	pending
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
09/183,752	October 30, 199	8 <u>pending</u>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

Robert I	R. Jackson, Esq Reg. No. 26,183
Nicola Z	A. Pisano, Esq Reg. No. 34,408
Michael	J. DeHaemer - Reg. No. 39,164

Send correspondence to:	Nicola A. Pisano FISH & NEAVE 1251 Avenue of the Americas New York, New York 10020
Direct telephone calls to:	Nicola A. Pisano (650) 617-4000
statements were made with the statements and the like so made imprisonment, or both, under States Code and that su	ll statements made on information true; and further that these knowledge that willful false
Full name of first joint inver	ntor <u>Ascher Shmulewitz</u>
First Inventor's Signature	
•	Date
Residence 1201 Third Avenue, S	Suite 5190, Seattle, WA 98101
Citizenship <u>United States of F</u>	
Post Office Address 1201 Third	Avenue, Suite 5190
	Vashington 98101
Full name of second joint inve	entor John Burton
Second Inventor's Signature	Jehn H. Buton 6-16-99
	Date
Residence <u>15460 Wing Lake Driv</u>	re, Minnetonka, MN 55345
Citizenship <u>United States of F</u>	merica
Post Office Address 15460 Wind	Lake Drive
Minnetonka	, MN 55345

,	Full name of third joint inventor Robert S. Bley	
	Third Inventor's Signature	
		Date
	Residence 158 Hillside Avenue, Menlo Park, CA 94025	
	Citizenship <u>United States of America</u>	
	Post Office Address <u>158 Hillside Avenue</u>	
	Menlo Park, California 94025	
	Full name of fourth joint inventor Roy Singfatt Chin	
	Fourth Inventor's Signature	
		Date
	Residence 40340 Strawflower Way, Fremont, CA 94530	
	Citizenship <u>Malaysian</u>	•
	Post Office Address 40340 Strawflower Way	
	Fremont, California 94530	
	Full name of fifth joint inventor Ronald C. Brown	<u> </u>
•	Fifth Inventor's Signature	
		Date
	Residence 304 Granite Creek Road, Santa Cruz, CA 95065)
	Citizenship <u>United States of America</u>	
	Post Office Address 304 Granite Creek Road	
	Santa Cruz, California 95065	

.

CIR-002 CIP2

Full name of sixth joint inventor Robert L. Wilcox	
Sixth Inventor's Signature	
	Date
Residence <u>9213 N.E. 151st Street</u> , Bothell, WA 98011	
Citizenship <u>United States of America</u>	
Post Office Address <u>9213 N.E. 151st Street</u>	
Bothell, WA 98011	

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

APPARATUS FOR PROVIDING CORONARY RETROPERFUSION AND METHODS OF USE

the specification of which

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or provisional applications filed under 35 U.S.C. § 111(b) listed below and have also identified below any foreign application for patent, inventor's certificate or provisional application having a filing date before that of the application on which priority is claimed:

Prior Foreign or Provisional Application(s)

			Prio <u>Clai</u>	rity med
(Number)	(Country)	(Day/Month/Year Filed)	l] Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	[] Yes	[] No

I hereby claim the benefit under Title 35, United States Code, \$ 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$ 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, \$ 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/084,513	May 26, 1998	pending
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
09/183,752	October 30, 199	98 pending
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

Robert	R.	Jackson,	Esq.	- Re	q. No	. 26,183	3	
 Nicola .	Α	<u>Pisano,</u>	Esq.	- Reg	. No.	34,408		
 <u>Michael</u>	<u>J.</u>	DeHaeme	er - R	eq. N	<u>o. 39</u>	,164		

Send correspondence to:	Nicola A. Pisano	
	FISH & NEAVE 1251 Avenue of the Americas New York, New York 10020	
Direct telephone calls to:	Nicola A. Pisano (650) 617-4000	
I hereby declare that all state knowledge are true and that all and belief are believed to be statements were made with the statements and the like so made imprisonment, or both, under States Code and that su jeopardize the validity of the thereon.	Il statements made on informat true; and further that these knowledge that willful false de are punishable by fine or Section 1001 of Title 18 of the statements willful false statements willful false statements willful false statements.	ie
	A	
Full name of first joint inver	ntor Ascher Shmulewitz	
First Inventor's Signature	6/15/9	99
	Date	<u>;</u>
Residence 1201 Third Avenue, S	Suite 5190, Seattle, WA 98101	
Citizenship <u>United States of A</u>		
Post Office Address 1201 Third		
Seattle, W	Washington 98101	
	·	
Full name of second joint inve		
Second Inventor's Signature		
	Date	!
Residence 15460 Wing Take Driv	70 Minnahaula MY 55045	

Minnetonka, MN 55345

Citizenship <u>United States of America</u>

Post Office Address 15460 Wing Lake Drive

Full name of third joint inventor Robert S. Blev	
Third Inventor's Signature	
	Date
Residence 158 Hillside Avenue, Menlo Park, CA 94025	
Citizenship <u>United States of America</u>	
Post Office Address <u>158 Hillside Avenue</u>	
Menlo Park, California 94025	
Full name of fourth joint inventor Roy Singfatt Chin	
Fourth Inventor's Signature	
	Date
Residence 40340 Strawflower Way, Fremont, CA 94530	
Citizenship <u>Malaysian</u>	
Post Office Address 40340 Strawflower Way	
Fremont, California 94530	
 Full name of fifth joint inventor Ronald C. Brown	
 Full name of fifth joint inventor Ronald C. Brown Fifth Inventor's Signature	-
 Fifth Inventor's Signature	Date
 Fifth Inventor's Signature	Date
Fifth Inventor's Signature Residence 304 Granite Creek Road, Santa Cruz, CA 95065	Date
Residence 304 Granite Creek Road, Santa Cruz, CA 95065 Citizenship United States of America	Date
Fifth Inventor's Signature Residence 304 Granite Creek Road, Santa Cruz, CA 95065	Date

Full name of sixth joint inventor Robert L. Wilcox	
Sixth Inventor's Signature	
	Date
Residence 9213 N.E. 151st Street, Bothell, WA 98011	
Citizenship <u>United States of America</u>	
Post Office Address <u>9213 N.E. 151st Street</u> .	
Bothell, WA 98011	

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

APPARATUS FOR PROVIDING CORONARY RETROPERFUSION AND METHODS OF USE

the specification of which

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or provisional applications filed under 35 U.S.C. § 111(b) listed below and have also identified below any foreign application for patent, inventor's certificate or provisional application having a filing date before that of the application on which priority is claimed:

Prior Foreign or Provisional Application(s)

	4.		Prio <u>Clai</u>	_
(Number)	(Country)	(Day/Month/Year Filed)	[] Yes	[] No
(Number)	(Country)	(Day/Month/Year Filed)	[] Yes	[] No

I hereby claim the benefit under Title 35, United States Code, \$ 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$ 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, \$ 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/084,513	May 26, 1998	pending
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
09/183,752	October 30, 199	8pending
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

Robe	ert R. Jackson,	Esq Req.	No. 26,183	•
	ola A. Pisano,			
	ael J. DeHaeme			

cond correspondence to:	NICOIA A. PISANO
	FISH & NEAVE
	1251 Avenue of the Americas
	New York, New York 10020
Direct telephone calls to:	Nicola A. Pisano
	(650) 617-4000
and belief are believed to be statements were made with the statements and the like so made	Il statements made on information true; and further that these knowledge that willful false de are punishable by fine or
imprisonment, or both, under s	Section 1001 of Title 18 of the
United States Code and that su	uch willful false statements may
jeopardize the validity of the	e application or any patent issued
thereon.	
Dall some C. C.	
Full name of first joint inver	ntor <u>Ascher Shmulewitz</u>
First Inventor's Signature	
	Date
	Date
·	
Residence 1201 Third Avenue, S	Suite 5190, Seattle, WA 98101
Citizenship United States of A	
	- · · · · · · · · · · · · · · · · · · ·
Post Office Address 1201 Third	Avenue, Suite 5190
Seattle, W	Vashington 98101
·	
Full name of second joint inve	entor <u>John Burton</u>
Second Inventor's Signature	
	Date
Decides 15460 m	
Residence <u>15460 Wing Lake Driv</u>	ve, Minnetonka, MN 55345
Citizenship United States of A	America
Post Office Address 15460 Wind	

Minnetonka, MN 55345

s u y	
	Full name of third joint inventor Robert S. Bley
	Third Inventor's Signature
	Date
	Residence 158 Hillside Avenue, Menlo Park, CA 94025
	Citizenship <u>United States of America</u>
	Post Office Address <u>158 Hillside Avenue</u>
	Menlo Park, California 94025
	Full name of fourth joint inventor Roy Singfatt Chin
	Fourth Inventor's Signature log Surfat the 6-14-9
	Date
	Residence 40340 Strawflower Way, Fremont, CA 94530
	Citizenship <u>Malaysian</u>
	Post Office Address 40340 Strawflower Way
	Fremont, California 94530
	Full name of fifth joint inventor Ronald C. Brown
<u>.</u>	Fifth Inventor's Signature
	Date
	Residence 304 Granite Creek Road, Santa Cruz, CA 95065
	Citizenship <u>United States of America</u>
•	Post Office Address 304 Granite Creek Road

CIR-002 CIP2

Full name of sixth joint inventor Robert L. Wilcox	
Sixth Inventor's Signature	
	Date
Residence 9213 N.E. 151st Street, Bothell, WA 98011	
Citizenship <u>United States of America</u>	
Post Office Address <u>9213 N.E. 151st Street</u>	
Bothell, WA 98011	

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

APPARATUS FOR PROVIDING CORONARY RETROPERFUSION AND METHODS OF USE

the specification of which

(check [] is attached hereto
one)

[X] was filed on May 26, 1999
Application Serial No. 09/320,172
and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, \$ 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or provisional applications filed under 35 U.S.C. § 111(b) listed below and have also identified below any foreign application for patent, inventor's certificate or provisional application having a filing date before that of the application on which priority is claimed:

Prior Foreign or Provisional Application(s)

			Prio <u>Clai</u>	_
(Number)	(Country)	(Day/Month/Year Filed)	[] Yes	[] No
(Number)	(Country)	(Day/Month/Year Filed)	[] Yes	[] No

I hereby claim the benefit under Title 35, United States Code, \$ 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$ 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, \$ 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/084,513	May 26, 1998	pending
(Application Serial No.)	(Filing Date)	(Status) (patented,
		pending, abandoned)
09/183,752	Ontob 20 100	
	<u>October 30, 199</u>	98 <u>pending</u>
(Application Serial No.)	(Filing Date)	(Status) (patented,
		pending, abandoned)

 Robert R. Jackson, Esq Reg. No. 26,183	
Nicola A. Pisano, Esq Reg. No. 34,408	-
Michael J. DeHaemer - Reg. No. 39,164	-

Send correspondence to:	Nicola A. Pisano
	FISH & NEAVE
	1251 Avenue of the Americas New York, New York 10020
	New Tork, New Tork 10020
Direct telephone calls to:	Nicola A. Pisano
	(650) 617-4000
knowledge are true and that a and belief are believed to be statements were made with the statements and the like so ma imprisonment, or both, under United States Code and that s	atements made herein of my own all statements made on information a true; and further that these a knowledge that willful false ade are punishable by fine or Section 1001 of Title 18 of the such willful false statements may be application or any patent issued
Full name of first joint inve	·
First Inventor's Signature	
	Date
Residence 1201 Third Avenue.	Suite 5190, Seattle, WA 98101
Citizenship <u>United States of</u>	
Post Office Address <u>1201 Thir</u>	rd Avenue, Suite 5190
Seattle,	Washington 98101
Full name of second joint inv	ventor John Burton
Second Inventor's Signature	
	Date
Residence <u>15460 Wing Lake Dri</u>	lve, Minnetonka, MN 55345
Citizenship <u>United States of</u>	America
Post Office Address <u>15460 Wir</u>	ng Lake Drive

Minnetonka, MN 55345

Full name of third joint inventor Robert S. Bley	
Third Inventor's Signature	
	ate
Residence 158 Hillside Avenue, Menlo Park, CA 94025	
Citizenship <u>United States of America</u>	
Post Office Address <u>158 Hillside Avenue</u>	
Menlo Park, California 94025	
Full name of fourth joint inventor Day Girufatt G	
Full name of fourth joint inventor Roy Singfatt Chin Fourth Inventor's Signature	
	ate
Residence 40340 Strawflower Way, Fremont, CA 94530	
Citizenship <u>Malaysian</u>	
Doct Office 7.11	
Post Office Address 40340 Strawflower Way.	
Fremont, California 94530	
Fremont, California 94530	
Fremont, California 94530 Full name of fifth joint inventor Ronald C. Brown	· r/a
Fremont, California 94530	5/9 áte
Fremont, California 94530 Full name of fifth joint inventor Ronald C. Brown	
Fremont, California 94530 Full name of fifth joint inventor Ronald C. Brown Fifth Inventor's Signature Cold Color Da	J/9 áte
Fremont, California 94530 Full name of fifth joint inventor Ronald C. Brown Fifth Inventor's Signature Creek Road, Santa Cruz, CA 95065	J/ át

•

CIR-002 CIP2

Full name of sixth joint inventor Robert L. Wilcox	
Sixth Inventor's Signature	
	Date
Residence 9213 N.E. 151st Street, Bothell, WA 98011	
Citizenship <u>United States of America</u>	
Post Office Address <u>9213 N.E. 151st Street</u>	
Bothell, WA 98011	

As a below named inventor, I hereby declare that:



My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

APPARATUS FOR PROVIDING CORONARY RETROPERFUSION AND METHODS OF USE

the specification of which

(check one)	[] is attached hereto	
	[X] was filed on May 26, 1999	a
	Application Serial No. 09/320,172	
1	and was amended on	
	(if applicable)	<u> </u>

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, \$ 119 of any foreign application(s) for patent or inventor's certificate or provisional applications filed under 35 U.S.C. \$ 111(b) listed below and have also identified below any foreign application for patent, inventor's certificate or provisional application having a filing date before that of the application on which priority is claimed:

Prior Foreign or Provisional Application(s)

			Prio <u>Clai</u>	rity med
(Number)	(Country)	(Day/Month/Year Filed)	[] Yes	[] No
(Number)	(Country)	(Day/Month/Year Filed)	[] Yes	[] No

I hereby claim the benefit under Title 35, United States Code, \$ 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$ 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, \$ 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/084,513 (Application Serial No.)	May 26, 1998 (Filing Date)	<pre>pending (Status) (patented, pending, abandoned)</pre>
09/183,752 (Application Serial No.)	October 30, 199 (Filing Date)	<pre>8</pre>

Robert R.	Jackson, Esq Req. No. 26,183
Nicola A.	Pisano, Esq Reg. No. 34,408
Michael J	. DeHaemer - Reg. No. 39,164

Send correspondence to:	Nicola A. Pisano FISH & NEAVE 1251 Avenue of the Americas New York, New York 10020	
Direct telephone calls to:	Nicola A. Pisano (650) 617-4000	
and belief are believed to be statements were made with the statements and the like so made imprisonment, or both, under South	ll statements made on informat: true; and further that these knowledge that willful false	e a v
Full name of first joint inver	ntor Ascher Shmulewitz	
First Inventor's Signature		
	Date	
Residence <u>1201 Third Avenue, S</u>	Suite 5190, Seattle, WA 98101	
Citizenship <u>United States of A</u>		
Post Office Address 1201 Third		
	Vashington 98101	
·		

Full name of second joint inventor <u>John Burton</u>

Second Inventor's Signature ______

Date

Residence 15460 Wing Lake Drive, Minnetonka, MN 55345
Citizenship United States of America
Post Office Address 15460 Wing Lake Drive
Minnetonka, MN 55345

٠		
	Full name of third joint inventor Robert S. Bley	
	Third Inventor's Signature	
		Date
	Residence 158 Hillside Avenue, Menlo Park, CA 94025	
	Citizenship <u>United States of America</u>	
	Post Office Address <u>158 Hillside Avenue</u>	
	Menlo Park, California 94025	
		,
	Full name of fourth joint inventor Roy Singfatt Chin	
	Fourth Inventor's Signature	
		Date
	Residence 40340 Strawflower Way, Fremont, CA 94530	
	Citizenship <u>Malaysian</u>	
	Post Office Address 40340 Strawflower Way	
	Fremont, California 94530	
	Full name of fifth joint inventor Ronald C. Brown	
	Fifth Inventor's Signature	
		Date
	Residence 304 Granite Creek Road, Santa Cruz, CA 9506	<u>5_</u>
	Citizenship <u>United States of America</u>	
	Post Office Address 304 Granite Creek Road	
	Santa Cruz, California 95065	

1

CIR-002 CIP2

Full name of sixth joint inventor Kobert 1. Wilchx
Sixth Inventor's Signature Kollet Willer 6/14/99
Residence 9213 N.E. 151st Street, Bothell, WA 98011
Citizenship <u>United States of America</u>
Post Office Address <u>9213 N.E. 151st Street</u>
Bothell WA 98011